

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal at the intersection of MD 175 and Mapes Road / Charles Dakes Blvd in Anne Arundel County. Geometric improvements are being done on Mapes Road. MD 175 is assumed to run an east-west direction. Video detection shall be used for the Mapes Road approach.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA six-phase, semi-actuated mode, with the MD 175 approaches running concurrently. Exclusive/Permissive left turn phases shall remain in operation for both approaches of MD 175. The pedestrian phase with pushbutton actuation shall remain in operation across the east leg of MD 175. The Mapes Road / Charles Dakes Blvd approaches shall continue to run concurrently.
- The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection. Video interface equipment shall be installed into the cabinet.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

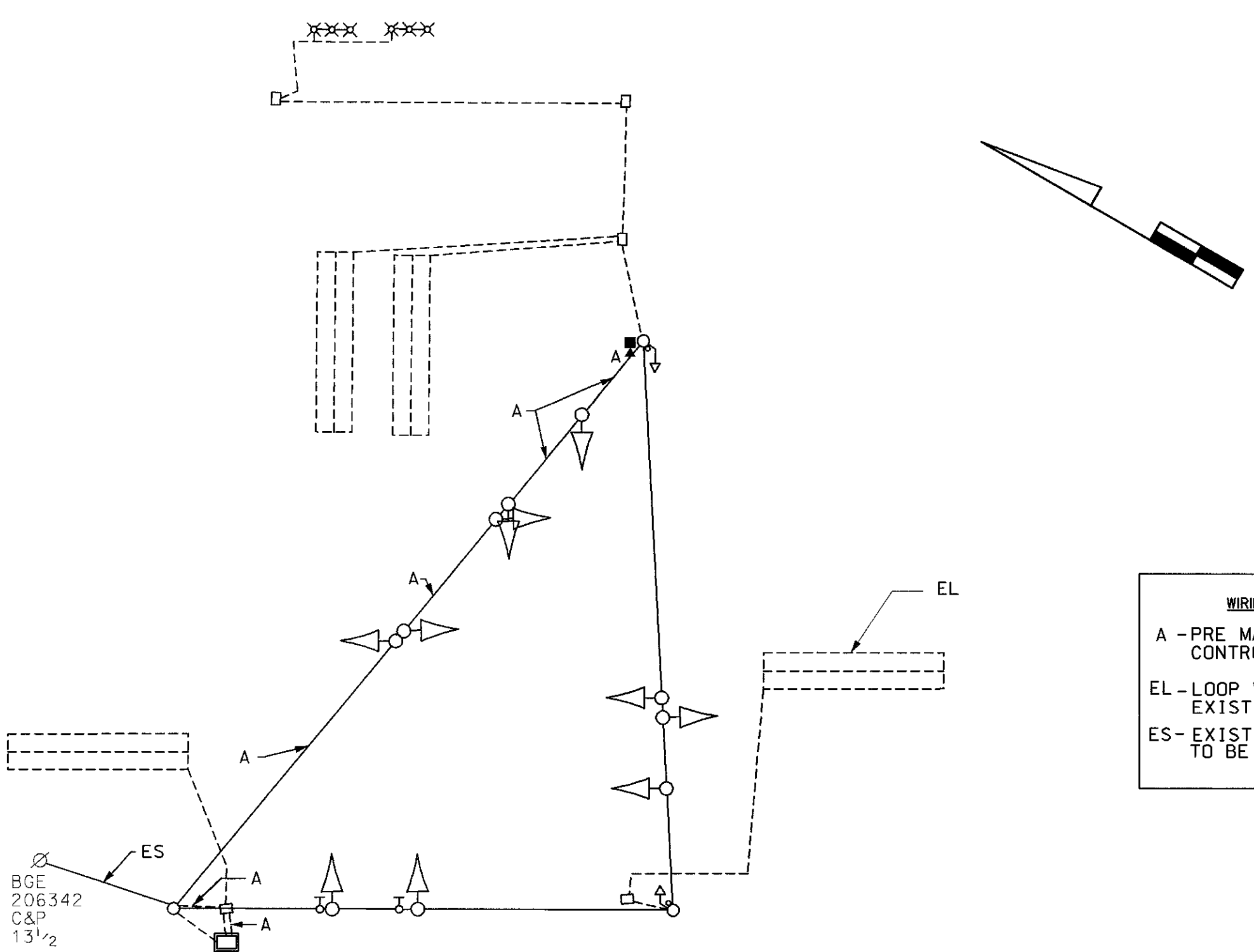
SPEC. NUMBER	DESCRIPTION	QUANTITY
556	12" white heat applied permanent preformed thermoplastic pavement marking	105 L.F.
556	24" white heat applied permanent preformed thermoplastic pavement marking	30 L.F.
	Furnish and install Traficon Video detector camera w/ coaxial cable	1 EA
	Disconnect existing loop. (Note: Remove unused aluminium shielded cable).	2 EA
	Pre-manufactured camera to controller (300' length) cable	1 EA
	Video interface equipment.	1 EA

The contact persons for District #5 are as follows:

- Ms. Kim Tran
Assistant District Engineer - Traffic
Phone: (410) 841-1003
- Mr. Charles George
Assistant District Engineer - Maintenance
Phone: (410) 841-1002
- Mr. John Mays
Assistant District Engineer - Utility
Phone: (410) 841-1005
- Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

PHASE CHART

THERE SHALL BE NO CHANGE TO THE PHASING AT THIS INTERSECTION



WIRING KEY
A - PRE MANUFACTURED CAMERA TO CONTROLLER CABLE (300')
EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING
ES - EXISTING OVERHEAD SERVICE TO BE MAINTAINED BY BGE



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION MD 175 AND MAPES RD / CHARTER OAK BLVD			
DRAWN BY: ROB CICCHINI	F.A.P. NO.	TS NO.	SHEET NO. 2 OF 2
CHECKED BY:	S.H.A. NO. AA799-X-575	TS-1620-65	
SCALE: NONE	COUNTY: ANNE ARUNDEL	T.I.M.S. NO. G-659	
DATE: 8/26/04	LOG MILE: 02017505.30		